

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1 - 28 (Cancelled)

29. (New) A pressure activated valve for medical applications, comprising:

a housing; and

a flow control membrane comprising a first membrane and an annular base member stacked upon said first membrane, said first membrane comprising a plurality of slits extending therethrough,

wherein each of said plurality of slits is curved and opens when subjected to a pressure of at least a predetermined threshold level.

30. (New) A pressure activated valve according to claim 29, further comprising a membrane retention portion of the housing, said membrane retention portion being adapted to apply a retentive compression force to the seating portion.

31. (New) A pressure activated valve according to claim 29, further comprising a layer of adhesive disposed between the first membrane and the base member.

32. (New) A pressure activated valve according to claim 29, wherein the first membrane has a thickness of no more than 0.035 in.

33. (New) A pressure activated valve according to claim 29, wherein a thickness of the first membrane is between 0.005 and 0.100 inches.

34. (New) A pressure activated valve according to claim 29, wherein the combined thickness of the annular base member and the first membrane is between 1 and 20 times a thickness of the first membrane.